

AMENDMENTS TO THE CLAIMS

Please cancel claim 11, amend claims 2, 4, 5, and 7, and add claims 12-14 as set forth below.

1. CANCELED.

2. (CURRENTLY AMENDED) A motor stop control device for a rotating reel type gaming machine that includes a motor having two pairs of excitation phases as a driving source of a reel, the reel having a plurality of symbols drawn thereon, the motor stop control device comprising:

a deceleration transmission mechanism that transmits the rotation of the motor to rotating shafts so that the reel is rotated at a predetermined speed reduction ratio;

motor stop control means for performing stop control of the motor through two-phase excitation ~~after performing a control for reducing the rotating speed of the motor based on a stop command for the motor;~~ and

a vibration-suppressing member that dampens vibration of the reel that occurs when the rotation of the reel is stopped by the stop control of the motor stop control means,

wherein the motor is a stepping motor,

wherein the deceleration transmission mechanism has an output-side gear provided on a driving side of the stepping motor and an input-side gear disposed at the reel such that the input-side gear is in contact with the output-side gear and coaxial with the rotating shaft of the reel, and

~~wherein the speed reduction ratio is determined by a ratio between a number of steps of one rotation of the motor, and the least common multiple calculated from a number of the symbols drawn on the reel and the number of steps of the motor~~

wherein the vibration-suppressing member is an oil damper having a base portion in which an oil is charged and a rotating portion having a gear which is in contact with the input-side gear, and a rotating force of the rotating portion is moderate by the oil charged in the base portion.

3. (CANCELED)

4. (CURRENTLY AMENDED) The motor stop control device of claim 2, wherein the stop control of the motor stop control means performs the control comprises a first stop control for reducing the rotating speed of the motor by transmitting pulses ~~in a number corresponding to a predetermined time interval~~ for causing two-phase excitation for a first predetermined time.

5. (CURRENTLY AMENDED) The motor stop control device of claim 4, wherein the stop control of the motor stop control means performs the control comprises a second stop control through two-phase excitation ~~by transmitting pulses in a number corresponding to a predetermined time interval~~ for a second predetermined time after performing the first stop control.

6. (PREVIOUSLY PRESENTED) The motor stop control device according to claim 2, further comprising:

a mounting plate for fixing the rotating shaft,

wherein the input-side gear is inserted into the rotating shaft, and the vibration-suppressing member is a spring that is inserted into the rotating shaft and urges the input-side gear against the mounting plate.

7. (CURRENTLY AMENDED) ~~The~~ A motor stop control device of claim 2, or a rotating reel type gaming machine that includes a motor having two pairs of excitation phases as a driving source of a reel, the reel having a plurality of symbols drawn thereon, the motor stop control device comprising:

a deceleration transmission mechanism that transmits the rotation of the motor to rotating shafts so that the reel is rotated at a predetermined speed reduction ratio;

motor stop control means for performing stop control of the motor through two-phase excitation after performing a control for reducing the rotating speed of the motor based on a stop command for the motor; and

a vibration-suppressing member that dampens vibration of the reel that occurs when the rotation of the reel is stopped by the stop control of the motor stop control means,

wherein the motor is a stepping motor,

wherein the deceleration transmission mechanism has an output-side gear provided on a driving side of the stepping motor and an input-side gear disposed at the reel such

that the input-side gear is in contact with the output-side gear and coaxial with the rotating shaft of the reel,

wherein the speed reduction ratio is determined by a ratio between a number of steps of one rotation of the motor, and the least common multiple calculated from a number of the symbols drawn on the reel and the number of steps of the motor and

wherein the vibration-suppressing member is an oil ~~dumper~~-damper having a base portion in which an oil is charged and a rotating portion having a gear which is in contact with the input-side gear, and a rotating force of the rotating portion is moderate by the oil charged in the base portion.

8. (PREVIOUSLY PRESENTED) The motor stop control device of claim 2, wherein the vibration-suppressing member is a high-friction member that is fastened to the rotating shaft to a fastening member.

9. (PREVIOUSLY PRESENTED) The motor stop control device of claim 8, wherein the high-friction member is felt.

10. (PREVIOUSLY PRESENTED) The motor stop control device of claim 8, wherein the high-friction member is a wave washer.

11. (CANCELED)

12. (NEW)The motor stop control device according to claim 2, wherein the stop control is performed in parallel with a vibration-suppressing effect by the vibration-suppressing member.

13. (NEW)The motor stop control device of claim 2, wherein the speed reduction ratio is determined by a ratio between a number of steps of one rotation of the motor, and the least common multiple calculated from a number of the symbols drawn on the reel and the number of steps of the motor.

14. (NEW)The motor stop control device of claim 2, wherein the motor stop control means for performs stop control of the motor through two-phase excitation after performing a control for reducing the rotating speed of the motor based on a stop command for the motor.